



Library discussion adjourned

General Committee of the Arts and Science Faculty Council on Monday last adjourned until its next meeting further discussion of the proposal that the branch circulating libraries in University College (including Innis), New College, Political Economy, History, and Extension be combined with the Wallace Room collection to form a new Sigmund Samuel Library for undergraduate students.

Principal Peter Russell of Innis College moved the adjournment because, he said, "what is needed is some leadership from our governors". He expressed the hope that the Governing Council would discuss "intermediate proposals" with the colleges affected. Principal Russell said he was opposed to total amalgamation of the college libraries, which "would be a crippling blow to the colleges."

The move to postpone debate concerned only the first recommendation of the Mueller committee report, which had been referred by the Academic Affairs committee of Governing Council to the General Committee for an indication of its views.

Before Principal Russell's motion was adopted, Principal Donald Ivey of New College said that although the centralization of the libraries was understandable from the librarians' point of view, it had not taken into account the existence of the college system. Prof. M. R. Pigott, Applied Science and Engineering representative, voiced strong support for continuation of the college libraries.

The recommendation that departmental library representatives should effect liaison with the Sigmund Samuel Library and that special representatives be appointed if the size of a department warranted it was approved. The Committee also endorsed a recommendation that the Sigmund Samuel Librarian be an ex-officio member of the Faculty Council and General Committee.

A recommendation that there be a standing committee of the Faculty of Arts and Science as a liaison between the Faculty and the Library was amended. The Committee voted for a sub-committee of the General Committee rather than a Faculty standing committee.

There was considerable discussion of the composition of the sub-committee. The Mueller report proposed that it consist of the Dean (or his representative), the Sigmund Samuel Librarian, two faculty members and three students (one of them part-time). Prof. James B. Conacher moved that there be seven faculty members "representing departments on the basis of use." He said he thought the student representation should also be increased. A separate amendment raising the number of students to eight, at least two of whom would be part-time, was carried. An attempt to add two librarians to the sub-committee was defeated on a standing vote of 46 to 37.

The General Committee approved the recommendation that the sub-committee

(See page 3, col. 1)



James H. Murphy

James Murphy is safety chief for University

Robert F. Brown, Director of Personnel, announces the appointment of James H. Murphy to the position of Chief Safety Officer effective Nov. 1, 1972. Mr. Murphy replaces R. L. Brett who has left the University.

Mr. Murphy has a Certificate in Business Administration supplemented by studies at McMaster University. His background includes five years as a Field Consultant with the Industrial Accident Prevention Association, and two years as Director of Safety for St. Anne Nackawic Pulp & Paper Co. in Nackawic, N.B. Mr. Murphy comes to U of T from the Stanley Steel Company in Hamilton where as a production supervisor he gained experience in implementing good safety practices.

During 1971 the University of Toronto (excluding Coughnough) experienced nearly 300 accidents to staff members that required medical attention. The year-to-date record for 1972 is not much better. Furthermore, in the last four years the Workmen's Compensation costs paid by the Board on our behalf substantially exceed our premium payments. Accordingly, unless safety performance is improved substantially in the next six months the University will be facing penalty assessments for the past two years which total nearly a quarter of a million dollars.

Commenting on the appointment Mr. Brown said, "As you can see, Mr. Murphy faces an immediate challenge with his appointment. However, he cannot do alone what is required as responsibility for the safety of staff lies with everyone in a position of authority. We are, therefore, counting on the full cooperation of all department heads and their staffs in the development and implementation of appropriate and effective safety programs."

Alexander Corry, Queen's University, Kingston, compiled on behalf of the Association of Universities and Colleges of Canada.

"Quest for the Optimum", 207 pp., \$3.00, can be obtained from AUCC in Ottawa. Here are its main recommendations:

(See page 2, col. 3)

Russian & East European Studies receives \$150,000 Ford grant first major gift for its research

A grant of \$150,000 for a period of three years, has been given to the University of Toronto's Centre for Russian and East European Studies by the Ford Foundation, Prof. H. Gordon Skilling, Director of the Centre, announces. This is the first major grant the Centre has received for the support of research by staff and graduate students.

"The grant is a timely boost for us, coming as it does at a time of squeezed budgets, higher student fees, and reduced fellowships", said Dr. Skilling. The only other recipients of similar grants of the same size are Harvard, Indiana, and Columbia universities.

Now in its tenth year of operation, the Centre has made substantial achievements despite lack of funds, the Director said. There are 47 staff members, specializing in economics, political science, geography, history, Slavic languages and literatures, and Sociology, and about 70 graduate students studying in these areas. The Slavic collection of the University of Toronto library consists of 98,000 volumes.

The Ford Foundation grant will be used to help research by faculty in the Soviet Union and Eastern Europe and for research leave; provide graduate stu-

dent fellowships and funds for research and travel by graduate students in the U.S.S.R. and other Eastern European countries; help acquire library materials in the Russian, Ukrainian, Polish, Serbo-Croatian, Czech, Slovak and other Slavic languages, and cover the appointment of visiting professors for short terms to the University departments associated with the Centre.

In the past, the Centre for Russian and East European Studies has been assisted by grants from the Laidlaw Foundation, for research; the Laidlaw Foundation and The Canada Council, for an exchange program with the U.S.S.R., and the Donner Foundation, for the library. The Ford Foundation gift is the first one which includes graduate fellowships.

NOVEMBER 16 DEADLINE

University of Toronto Bulletin is published by the University News Bureau, 45 Willecks Street. Except for bona fide emergencies, all material for the next issue should have been in the hands of the editor, Mrs. Wingene Ferguson (928-2102) by noon yesterday. The next editorial deadline is noon, November 16.

COMING EVENTS

NOVEMBER

10 FRIDAY

Lectures

Medicine

"The Low-nin State: Definition and Implications", Dr. Norman Kaplan, University of Texas. 2173 Medical Sciences Building, 2.30 p.m. (Institute of Medical Science)

Engineering

"Human Factors Considerations in Manoeuvring Space Tankers", Dr. Andrew Sanders, Institute for Perception, RVO-TNO, Netherlands. 211 Old Electrical Building, 2 p.m. (Industrial Engineering) Luncheon seminar with Prof. W. Michelson - "External Funds and your Urban Research". Room 111, 150 St. George St. 12.30 p.m. (Urban and Community Studies)

Seminar

Urban research

Open House

Faculty of Food Sciences will hold an Open House Nov. 10 from 9 a.m. to 9 p.m. and on Nov. 11 from 9 a.m. to 4 p.m. Everyone welcome; refreshments; door prices.

11 SATURDAY

Lecture

Botany

"A Botanist in your Grocery Store", Dr. Richard A. Howard, Director, Arnold Arboretum, Harvard University. Convocation Hall, 8.15 p.m. (Royal Canadian Institute)

12 SUNDAY

Music

Sunday Afternoon Series. Kathryn Root and Elyakim Tsikess, duo pianists. Concert Hall, Edward Johnson Building, 3 p.m. Tickets \$4, students \$2. Cheques payable Concessions, U of T. (Music)

(See page 2, col. 1)

Grievance plea is turned down

Robert F. Brown, Director of Personnel, issued the following statement yesterday.

On October 18, 1972, two and one-half months after his being employed as Library Technician, Mr. David Owens was given notice that his services would terminate on that date. He was paid one week's salary in lieu of notice. Mr. Owens filed a grievance against the University of Toronto alleging discrimination was the cause of his dismissal.

The probationary clause in the contract allows for termination of any employee prior to the completion of ninety working days when, in the judgement of the Librarian managing the employee, he is deemed unsatisfactory. Recourse to the grievance procedure in such cases is permitted only when an act of discrimination is claimed.

As provided for in the union agreement, a hearing was held on October 27, 1972 at which Mr. Owens was present and represented by Mr. E. A. Moynes, Na-

tional Representative. Mrs. Audrey Nichols, Local President and Mr. T. Urbiesco, Chief Union Steward at CUPE Local 1230. Also present were officers of the Library concerned in the decision to terminate Mr. Owens. Evidence presented before Mr. John Parker, Manager of Labour Relations, who presided, indicated that neither the supervisor nor any of the people concerned in the decision to terminate him were aware of Mr. Owens' union activity therefore this could not have been the determinant of the dismissal. Mr. Parker dismissed the grievance indicating he could find no evidence of discrimination.

The union requested an extension of the time limit, which would normally be five days, until November 15, to examine the grievance and further determine what course of action would be followed. The extension was granted.

The union has the option to refer the grievance to an arbitration board or accept the dismissal of Mr. Owens.

Main recommendations on Research

"A University is much more than a research institute. It should set its objectives in research in the light of its other purposes and obligations, in the light of its role in society."

The quotation is from the Report on Research Policy in the Universities of Canada by Louis-Philippe Bonneau, Université Laval, Québec, and James

COMING EVENTS

NOVEMBER

(Continued from page 1)

12 SUNDAY

- Music** Canadian Wind Concert — serenades for oboes, horns and bassoon with Christopher West, Eugene Rittich and Melvin Berman. World premiere of commissioned work by Keith Bissell, and others by Handel, J. C. Bach and C. P. E. Bach. Meeting Place. 3.30 p.m. Free (Scarborough College).
- Films** Sunday Free Films "The Mystery of Stonehenge". ROM Theatre. 2.30 p.m. Free with Museum admission.
- Celebration** Canadian Polish Congress Rally: music and poetry. Armour Court. ROM. 4.30 p.m. Free with Museum admission.

13 MONDAY

- Education** "Approaches (mostly elsewhere) to the Improvement of Teaching in Higher Education". Prof. E. F. Sheffler. 5.55, Faculty of Education. 2 p.m. (Education).
- Colloquium** "Definitional Interpreters for Higher-Order Programming Languages". Prof. John C. Reynolds. Syracuse University. 202 McLennan Physical Laboratories. 4 p.m. (Computer Science)
- Music** Organ recital by Janet MacFarlane, with Alison Melville, recorder. Convocation Hall. 5.05 p.m.

14 TUESDAY

- Lectures** "Zwinger". Prof. Jacques Couvreur, University of Geneva. Lecture Hall, Emmanuel College. 4.10 p.m. (School of Theology and Reformation and Renaissance Studies)
- West Africa** "The Mythology of West African Economic History". Prof. A. G. Hopkins, Centre of West African Studies, University of Birmingham. 3050 Sidney Smith Hall. 4 p.m. (African Studies Committee, ISP)
- Seminars** "Nutrition and Brain Growth". Dr. John Dobbing, Neurochemist, Department of Child Health, University of Manchester. 2172 Medical Sciences Building. 5 p.m.
- Reformation** Senior seminar for faculty and graduate students on "Current Studies on the Swiss Reformation". 4 Knox College. 8 p.m. (Theology)
- Colloquia** "An Introduction to the Lattice-Theoretic Approach to the Theory of Computation". Prof. John C. Reynolds. 103 McLennan Physical Laboratories. 4 p.m. (Computer Science)
- Mathematics** "Differential Equations and Cyclic Groups". Dr. Morris Newman, National Bureau of Standards, Washington. 2117 Sidney Smith Hall. 4.10 p.m. (Mathematics)

15 WEDNESDAY

- Lecture** "Chemical abstracts". Speaker, Ralph O'Dette, senior staff adviser, Chemical Abstracts Service. Lecture Theatre, 140 St. George St. 2 p.m. (Library Science)
- Seminars** "Photo and Biodegradable Plastics". Prof. J. Gullett. 211 Haultain Building. 10 a.m. (Environmental Sciences and Engineering)
- West Africa** Topic on 19th Century West African Economic History. Prof. A. G. Hopkins, Council Chambers, Gairth Building. 12 noon to 2 p.m. (African Studies Committee, ISP)
- Music** The Toronto Consort plays medieval music on medieval instruments. Fresco Gallery. ROM. 5.30 p.m. Free
- Films** NFB Films "Blades and Brasses", "Bighorn", "Child Behaviour = You", and "Modlits Living". ROM Theatre. 7 p.m. Free

16 THURSDAY

- Meeting** U of T Governing Council. Room 3153, Medical Sciences Building. 4.30 p.m. Tickets available at Information Desk. Since Hall, on Nov. 16.
- Lectures** "The Disappearing Waters". Dr. E. J. Crossman. Room 4, ROM. 8.30 p.m. Free.
- Urban Biology** "The Angel Site: A Prehistoric Ohio Valley Metropolis". Prof. James Kellar, Director, Glenn A. Black Laboratory of Archaeology, Indiana University, and Professor of Anthropology, McLaughlin Planetarium. Lecture Room. 4.30 p.m. (Toronto Society, Archeological Institute of America)
- Archaeology** "African Socialism in One Country: Tanzania". John S. Saul, lately of the University of Dar es Salaam. 3050 Sidney Smith Hall. 12.15 p.m. (African Studies Committee, ISP)
- Seminar** University Arts Women's Club, "Potpourri of Gardening". J. C. Boyd, Executive Director, Civic Garden Centre. St. Thomas Church Parish Hall, 383 Huron St. (babysitting facilities available) 1.45 p.m.
- Meeting** "Stargazers and Planetsquakes". Prof. David Pines, University of Illinois. 102 McLennan Physical Laboratories. 4.10 p.m. (SCS, Physics and Astronomy)
- Colloquium** "Physics & Astronomy"

17 FRIDAY

- Lecture** "Photoacoustic", Prof. N. C. Yang, University of Chicago. 158 Lash Miller Chemical Laboratories. 4 p.m. (SCS and Chemistry)

18 SATURDAY

- Lecture** "Queitico-Superior Country". A. S. L. Barnes, Executive Secretary, The Queitico Foundation. Convocation Hall. 8.15 p.m. (Royal Canadian Institute)
- Music** University of Toronto Symphony Orchestra. Conductor, Victor Feldblum. MacMillan Theatre. Edward Johnson Building. 8.30 p.m. Free. Reserved tickets available Oct. 30. Enclose stamped addressed envelope.
- Party** Children's Santa Claus Parade Party. Restricted to members and their children. Refreshments and favours. Faculty Club. 10 a.m. Please make reservations by Nov. 10.

19 SUNDAY

- Films** Sunday Free Films "Cracking the Stone Age Code" and "Rivers of Time". ROM Theatre. 2.30 p.m. Free with Museum admission.
- Music** Concord Singers, director, Peter McCoppin, Madrigals and other works. Meeting Place. 3.30 p.m. Free (Scarborough College)

20 MONDAY

- Lecture** "The Development of Science Policy in Canada". Dr. Ormond Solandt, former Chairman, Science Council of Canada. 2117 Sidney Smith Hall. 4.10 p.m. (IHPS and Varsity Fund)
- Colloquium** "Experience in Developing Information Systems for Hospital Laboratories and Radiology Department". Prof. Roman Weil, University of Chicago. 202 McLennan Physical Laboratories. 4 p.m. (Computer Science)
- Workshop** Capital Markets Workshop — "Rational Expectations and the Term Structure of Interest Rates". University Professor Franco Modigliani, MIT. 722-723. (Conference Room), 246 Bloor St. W. 2 p.m. (Management Studies and IQASEP)
- Finance**

21 TUESDAY

- Seminar** "Air Myelography". Dr. R. Blend, Senior Radiologist, Princess Margaret Hospital. 2172 Medical Sciences Building. 5 p.m.
- Neuroscience**

Main recommendations in Report on Research Policy in Universities

(Continued from page 1)

1. We recommend, for at least an experimental period, rather stiff assessment of applications for research grants by the federal funding agencies. We think it should be an experimental period and not a permanent one in policy.

2. We recommend that universities recognize the distinction we have between frontier research and reflective inquiry and accept the consequences which will be described later.

3. We believe that each university should set its own objectives in research (subject to the limits on the use of funds impressed with a mission) bearing in mind and exploring with governments and other universities its obligations to the world of learning, to the diverse interests and needs of students, of the local community, and of the nation.

4. We approve the view widely expressed within universities that the main focus of the universities in research should be on basic research. Despite recent suggestions to the contrary, we believe that a very substantial commitment to basic research is vital to the progress and welfare of the country and to the quality of the work universities do.

5. In the light of all these considerations relating to effective teaching, to the problems of small universities, and to centres of excellence, we recommend that the universities revise their policies on promotion and salary increases to ensure that the same weight is given to undergraduate teaching and reflective inquiry as is given to frontier research and teaching and supervision of graduate studies.

6. Every university should have a fund for supporting out-of-pocket costs of reflective inquiry from which grants would be made on applications for special purchases such as books or journals urgently needed for a project, for short visits to other better equipped libraries, or for short-term research assistance.

7. We recommend that the Canada Council continue its support of research in the humanities and social sciences on a program which would give greater emphasis to projects in reflective inquiry.

8. Instead, we suggest an effort by the Government of Canada, in consultation with Canada Council and SSC to select experimentally seven to nine graduate schools across the country that have shown really good quality in graduate work in at least two of the main social science disciplines. Care would have to be taken that all the main disciplines in the social sciences were represented by strength somewhere in these graduate schools. This would make possible a quicker start, would do something like justice to regional aspirations and would prevent putting too many eggs in too few baskets.

9. So, we recommend that the federal granting agencies make payments to the universities designed to cover the indirect costs of the research they sponsor, including salaries, that, failing a federal-provincial agreement on an alternative figure, these be set at 45% of the amount of each grant, and paid as contributions to the general revenue of the universities. Additional sums to cover those amounts should be added by the federal government to the annual votes of funds for the three funding agencies.

10. We recommend that universities of the middle and larger size should provide themselves with a research office; it would fix on someone the continuing respons-

ibility of studying the conditions necessary for research work of good quality.

11. To sum up, we recommend that university institutions foster all these major moves towards co-ordination, which we have just described and which are already under way, with a view of rationalizing research collections in the university libraries, and that they work together actively for co-ordination at the national level.

12. We do recommend, however, that the federal councils consider setting aside a small percentage of their funds to be used as risk capital in the field of research rather than committing it all to prudent investment in stocks that give high promise of dividends.

13. There will have to be special attention given on a national basis by the federal government to selecting across the country centres of specialization, recognizing, and helping to build up in them, first class research competence in a limited number of departments and/or faculties. They cannot be centres of excellence in the full sense (as defined above) because of the limited range of high competence they can achieve in the near future. This is what all middle-sized universities, and some larger ones, will have to be content with, in the category of frontier research. It is the way in which both good quality in research and regional aspirations can be encouraged and nourished at the same time. It is possible for such centres of specialization, through careful development, to reach international status in limited areas.

14. While recognizing that effective work and collaboration are often easier when everyone involved is at home in one and the same language, we do nevertheless recommend that quite deliberately, in pursuit of high national purpose, we should attempt to establish in Canada substantial centres of research based on substantial contribution from the two main cultural groups.

15. In summary, the strategy we recommend for rationalization of university research has the following elements (1) particular universities seeking to articulate policies and objectives for themselves which keep in mind local, provincial and national problems that research can help to solve, (2) time limits set on the discussions for this purpose at and between the several universities, (3) enough limits on the flow of research funds to make it imperative to plan the best use of scarce resources, and keep the provincial and national problems that research can help to solve, (4) provincial governments identifying areas of research of special interest to them, offering some inducements to take them up, (5) efforts at the national level by the federal government, federal granting agencies, and disciplinary associations in the several disciplines to identify areas needing research, to define and list projects, to stimulate the competent to undertake them on terms and inducements that favour development of centres of excellence and centres of specialization.

16. We recommend that, in co-operation with the National Library, and the National Science Library, AUCC make a sustained effort to see to the establishment of a national index of on-going research. It would be a very important part of the network of sources of information which the universities need to rationalize their research effort effectively.

EXHIBITIONS

Exhibition of sculpture by Torgel Tolgus. Scarborough College. Until Nov. 10.

"Iran and the ROM: Exploring a Great Civilization". Display of pictures, photographs and related objects gives a glimpse of, and explains the field work being done in Iran. Third floor rotunda. ROM. To Nov. 26.

"The Atlantic Provinces". Oils, watercolours, prints, charts and documents pertaining to early Canadian events which took place in the Maritime Provinces. Canadiana Building. To Dec. 10.

National Capital Commission, Ottawa —

planning proposals for the development of Ottawa and Hull. Architecture, 230 College St. Nov. 9-20.

Malcolm Barry Exhibition. Hart House Art Gallery. To Nov. 24. Monday to Saturday, 11 a.m. to 5 p.m., Wednesday, 6 to 9 p.m., Sunday, 2 to 5 p.m.

"Vagabonds in Space". Theatre of the Stars. McLaughlin Planetarium. Tuesday to Friday, 3, 8 p.m. Saturday, 2, 3.30, 7.30, 9 p.m. Sunday: 2, 3.30, 5, 7.30 p.m. Holidays: 2, 3.30 p.m. To Nov. 26.

Appointed & Promoted

Scarborough College

CHANTAL JENNINGS, assistant professor in French, comes from the State University of New York at Buffalo. She received her Ph.D. in 1969 from Wayne State University; the thesis topic was "Les Romanciers Naturalistes et la Question de l'Emancipation Féminine".

ROBERT BINNICK comes from the University of Kansas to Scarborough College as an associate professor in Linguistics. He received his Ph.D. in 1969 from the University of Chicago; his thesis topic was "Studies in Derivation of Predicative Structures". Prof. Binnick has a knowledge of several languages: Classical Greek, Latin, Sanskrit, Hieroglyphic, Egyptian, Spanish, French, German, and some computer languages (COMIT II, SNOBOL III, and FAP).

VINCENT DINORIA is a visiting assistant professor in Philosophy. His Ph.D. (1969) from the University of Toronto was a study of Bernard Lonergan's Theory of Development. For the past six years, Prof. diNoria has been teaching philosophy at Laurentian University and University of Sudbury College.

Discussion on the Library is adjourned

(Continued from page 1)

come into operation as soon as possible and that the Chief Librarian or his representative represent the Library until a librarian was appointed for Sigmund Samuel.

The General Committee has still to deal with recommendations concerned with periodicals and duplicating services and with the need to recognize the special library problems of part-time students.

The General Committee decided that elections to fill vacant seats on the Committee should be held and completed by Dec. 8, "if possible".

In response to an inquiry, Chief Librarian Robert H. Blackburn told the Committee that no decision had been made to close the University libraries during the Christmas-New Year holiday season, although the possibility was being considered.

Library sub-committee terms of reference

The following proposal for a committee to deal with library problems, put forward by the Academic Affairs Committee, was approved by the Governing Council on Oct. 19:

"The Committee considered the establishment of a committee to deal with library problems.

"Your Committee recommends that a standing sub-committee of the Academic Affairs Committee be established to develop and recommend policy in connection with the whole University library system and that attention be given to the following specific matters:

"(a) to establish guidelines for the determination of 'academic need' in connection with the library's administration of stack passes to the Roberts Library.

"(b) to settle any complaints which might arise out of the administration of the stack pass rules.

"(c) within a year of the opening of the Roberts Library, to examine the operation of the stack pass regulations.

"(d) to consider the recommendations of the Report of the Advisory Committee on the Sigmund Samuel Library Collection.

"In addition to recommending policy for approval by the Academic Affairs Committee, it is also intended that this sub-committee should advise the Vice-President and Provost, from time to time, on problems of administration in the operation of the library system."

Dr Cecil H Yip is awarded second Dr Charles H Best Prize

Dr. Cecil H. Yip, associate professor in the Banting and Best Department of Medical Research of the University of Toronto, has been awarded the Dr. Charles H. Best Prize for 1972, in recognition of his contributions to the understanding of the physiology of proinsulin.

The prize, consisting of a certificate, a gold medal and \$1000, is sponsored by Hoechst Pharmaceuticals of Montreal. Dr. Yip is the second to receive the prize awarded for contributions to the understanding of diabetes and related diseases. The first went last year to Dr. Peter Maloney of the University of Toronto, whose many achievements included the discovery of the mechanism by which insulin sometimes provokes antibody resistance to itself.

Although insulin was discovered, and its function explained, by the late Sir Frederick Banting and Dr. Charles H. Best in 1921, more than 30 years were to pass before its structure was elucidated in 1955 by Sanger and Ryle, Cambridge, and their colleagues. They showed that insulin consists of two chains of amino acids, the A and the B chains, and that these two polypeptide chains are linked together by two disulphide bonds. The dual-chain structure and the positions of the disulphide bonds are invariable in all insulins so far obtained from a wide range of vertebrate animals and species differences lie only in variations of a few of the amino acids in the primary structure.

A question that continued to intrigue scientists was as to whether the A and the B chains were first separately syn-

thesized and then later brought together with the aid of the disulphide bonds, or whether insulin was derived from the cleavage of a single-chain precursor that already contained the two chains and their bonds. The discovery of a molecule, larger than insulin and capable of this precursor role, was made in 1967 by Dr. Donald Steiner and his colleagues. There were, and still are, a lot of unanswered questions regarding the mode of biosynthesis and the mechanisms that simulate and regulate this process.

Dr. Yip has made important contributions to the understanding of the function of the islet cells of the pancreas, which are responsible for the manufacture of insulin. He was recently involved in the isolation of bovine proinsulin, an intermediary stage in the biological synthesis of insulin in cattle, and in explaining its properties and probable role.

He succeeded in isolating an antibody to proinsulin which did not react with insulin and which was shown to be specifically reactive with the peptide component of molecule which is the connecting link between the A and B chains.

With this antibody, he has been able to measure proinsulin levels in tissue and plasma from calves and cows and has investigated the secretion of proinsulin from the pancreas. Dr. Yip succeeded in isolating an enzyme from pancreatic extracts that is able to convert proinsulin to insulin. He is presently engaged in characterizing this reaction.

STAFF NOTES

Applied Science and Engineering

DR. J. C. C. TEMPLETON was elected Director Representative to the Council of the American Statistical Association in August. Dr. Templeton also attended the European Meeting of Statisticians in Budapest, Hungary, and presented the following papers: "A Two-sided Extension of the Wendel Projection Method in the Theory of Queues" (with T. P. BACALU), "A Priority Queue with Bulk Service for Ordinary Users" (with H. B. DAVE and M. J. M. FOSKIN).

PROF. PATRICK J. FOLEY was elected President of the Human Factors Association of Canada. Prof. Foley also presented an invited paper at the XXIV International Congress on Psychology in Tokyo entitled "Design Criteria in Human-Centered Man-Machine Systems", in August.

PROF. H. J. LEUTHSEUSER participated in the 13th International Congress of Theoretical and Applied Mechanics in Moscow and presented a paper (co-author, Dr. F. RESCI) on "Turbulence Characteristics of Bubbly Two-Phase Flow". He visited research establishments of the Siberian Branch of the U.S.S.R. Academy of Sciences at Akademgorodok, the Bratsk hydro-electric scheme and the Lake Baikal limnological institute. Dr. Leuthseuser was also the co-author of a paper on "Extreme Roughness of Natural River Channel" which was presented to the 20th Annual Hydraulics Specialty Conference of the American Society of Civil Engineers at the University of Illinois.

PROF. A. W. NEUMANN presented a paper at the 164th meeting of the American Chemical Society in New York City under the title "The Surface Thermodynamics of Phagocytes".

DR. F. P. J. RIMMOTT served as Vice-Chairman on the Organizing Committee for the International Symposium on Environmental Mechanics, June 12-16 at the University of Waterloo. On June 27 he participated on a panel discussing the industry-university interface in research, during the Symposium on Applications of Solid Mechanics, June 26 and 27, also at Waterloo. At the end of June he retired after a one-year term as the first Regional Vice-President of the International Union of new Canadian Society for Mechanical Engineering. Dr. Rimmott attended the Second Annual Meeting of the Canadian Society for Mechanical Engineering in Saskatoon, Oct. 2-6, and delivered a paper on "The Canadian Metrication Program". He and Dr. J. F. KEEFER attended the General Assembly of the International Union of

Theoretical and Applied Mechanics in Moscow on Aug. 24, as Canadian representative at which occasion an invitation was issued to hold the 1980 International Congress of Theoretical and Applied Mechanics in Canada.

PROF. B. TABAROK attended the 13th Congress of International Union of Theoretical and Applied Mechanics which was held in Moscow, Aug. 20-26. In September Prof. Tabarok attended the International Conference on Variational Methods in Engineering which was held at Southampton University. In this conference he delivered a paper entitled "Application of Stress Functions to Dynamic Analysis of Shallow Shells".

PROF. M. A. TOWNSEND presented a paper "State Space Characterization of Complex Rigid Body Systems Subject to Control" at the 12th ASME Mechanics Conference held at San Francisco, Oct. 8-12. Earlier this year, he gave a colloquium on "Biped Prostheses and Robot Design" at the University of Connecticut, Storrs.

PROF. K. T. AUST presented a seminar entitled "Segregation and Corrosion at Grain Boundaries" on May 5 at the Research Laboratories of General Motors Corporation, Warren, Michigan, and was Chairman of the 1972 Gordon Conference on Physical Metallurgy, held June 12-16 at Tilton, N.H.

Food Sciences

PROF. E. GAERTNER attended the 15th Annual Meeting of the Canadian Federation of Biological Societies, Laval University, June 13-15, where she presented a paper, "Metabolism of Phosphorylcholine in *E. coli* During Growth at 37°C and During a Cold-shock Lag Phase". PROF. C. DUNKLEY also attended this conference.

PROF. M. KRONDI attended the 9th International Congress of Nutrition, Mexico City, Sept. 3-9. He presented a paper, "Toward a Dynamic Technology of Nutrition Behavior".

Education

PROFS. HOWARD HAINSWORTH and R. R. A. ROY attended the Northeast Conference on the Teaching of Modern Languages in New York, April 13-16.

PROF. NATALIE KUZMICH has been asked to join the executive of the Ontario Music Educators' Association as a two-year councillor.

PROF. JEAN STIRLING conducted a workshop in International Folk Dance at a professional development day for the

Opportunity for Promotion

Open to all members of the staff of the University of Toronto

Secretary II

Department: Office of the Governing Council
Salary: \$5,700-\$6,860

Position Summary: The successful candidate will provide secretarial services to the Assistant Secretary of the Governing Council. This will involve working for the Academic Affairs Committee and its sub-committees. Duties will include typing notices of meetings, minutes, correspondence; co-ordinating mailings, and performing a variety of special assignments as required.

Education: High School graduation, plus Business or Commercial training
Experience: 3 years' secretarial experience

Skills: 60 w.p.m. typing; 120 w.p.m. shorthand

Qualified candidates should file written applications by November 14 to "Promotional Opportunity", File No. 4, Personnel Department, 215 Huron Street.

Administrative Assistant I

Department: Centre of Criminology
Salary: \$7,920-\$9,240

Position Summary: The successful candidate will assist the Director in the administration of the Centre and undertake a variety of editorial and financial assignments. Duties will include the preparation of letters, reports and memoranda concerning the Centre's research program or administrative activities; interviewing applicants for employment; editing manuscripts and overseeing the printing and publication of research reports; preparing preliminary budget reports and processing expenditures and budget transfers. The incumbent will also make arrangements for conferences and visiting lecturers and act as secretary to various committees.

Education: University graduation
Experience: Several years' experience in a senior secretarial/administrative position within the University. Knowledge of or interest in criminology would be an asset

Skills: Some typing is required
Apply as above by Nov. 15 and mention File No. 2.

Clerk IV

Department: Political Economy
Salary: \$6,360-\$7,440

Position Summary: The successful candidate will undertake a variety of clerical assignments related to space and equipment allocation, the placement of graduate students and the establishment of positions for teaching assistants. Specific duties will include maintaining listings and scheduling the use of available space and equipment; providing information to prospective employers of graduating students; compiling information on teaching assistant positions; preparing reports and answering various questions.

Education: High School graduation
Experience: Three years' clerical experience; demonstrated ability to initiate and complete a variety of clerical activities

Skills: Some typing is required
Apply as above by Nov. 14 and mention File No. 2.

Clerk IV

Department: Dentistry
Salary: \$6,360-\$7,440

Position Summary: The successful candidate will counsel students regarding student award policies and will assist in the provision of administrative and secretarial services to senior staff. Duties will include interviewing applicants for Student Awards; assisting in the preparation and distribution of the faculty calendar and completing documents relating to financial assistance. In addition, the incumbent will carry out various secretarial assignments.

Education: High School graduation, with Business School training

Experience: Three years' experience in a secretarial-administrative position
Apply as above but mention File No. 6.

STAFF NOTES

(Continued from page 3)

Hamilton physical education teachers on April 15.

PROF. A. M. GIFFORD was adjudicator at the first Toronto Board of Education Open House and Vocational Drama Festival at which he ran several workshops for students.

PROF. R. P. BOWLES, who has been directing the dissemination of the equity program in social studies at the Department of Field Development, OISE, has been seconded to the Canada Studies Foundation as Associate Director, Curriculum and Pre-teachers. The Foundation's purpose is to help teachers across Canada develop and use curriculum materials directly related to continuing Canadian concerns.

Forestry

PROF. D. V. LOVE attended the Canadian Institute of Forestry Annual Meeting in Fredericton in August and a week long Land Use Symposium and Workshop sponsored by the Canadian Council of Resource and Environment Ministers in September, also in Fredericton.

PROF. F. M. BUCKENHAM attended the annual meeting of the Canadian Institute of Forestry which was held in Fredericton, Aug. 28-30. Prof. Buckingham is chairman of the Southern Ontario Section of the Institute for 1972-73.

PROF. A. S. MICHELL attended the Study Tour in Hungary, Aug. 28 to Sept. 3, organized by the Hungarian Forestry Association. The Symposium on Forest Road Construction and Maintenance Techniques held in Sopron, Sept. 4-9, under the auspices of the Joint Committee on Forest Working Techniques and Training of Forest Workers, FAO/ECCE/ILRO.

PROF. V. G. SMITH was co-chairman with DR. B. PAGANEN on "Measures of Spatial Distributions as Used in Forestry" given during the Mid-West Forest Managementists' Meeting at Mackinac Island, Aug. 28-31.

Music

PROF. ANDREW HUGHES spent the summer of 1972 researching the Rhythmic Offices in libraries and monasteries of Europe. He attended the meeting of the International Musicological Society in Copenhagen, presenting a paper entitled "Viella: facere non possimus".

Pharmacy

PROFESSOR-EMERITUS HORACE J. FULLER was recognized Aug. 16 with an honorary life membership by the Canadian Pharmaceutical Association at its annual conference in Edmonton. Apart from his distinguished career as a teacher of pharmaceutical administration at the University of Connecticut and then at Toronto, Prof. Fuller is perhaps best known as a pioneer in North America of the professional fee concept of prescription pricing and for his *Annual Survey of Retail Pharmacy* (in Canada), now in its 30th year of publication.

Members of the Faculty occupy prominent elected and appointed positions in the Association of Faculties of Pharmacy of Canada following the annual meeting of AFPC in Edmonton. DR. ERNEST W. STIEB was elected vice-president (president); DR. HAROLD J. SIEGEL was elected recording secretary; and DR. J. GRAHAM NABIN was appointed AFPC representative to the Council of Delegates of the Canadian Pharmaceutical Association. Dr. Nabin has previously served AFPC as chairman (president) and corresponding secretary, while Dr. Stieb has served as Toronto representative on the AFPC Council.

PROF. R. PATERSON and Dr. Stieb have been elected to the prestigious Académie Internationale d'Histoire de la Pharmacie. The International Academy is an honor or recognition society whose membership is restricted to two full members from each country; this is the first time since its founding that membership has been extended to Canadians. Formal induction ceremonies were held in September in Lisbon, Portugal, during the meeting there of the Federation Internationale Pharmaceutique. Dr. Stieb currently serves as director and Dr. PaterSON as secretary-treasurer of the Canadian Academy of the History of Pharmacy.

PROF. M. H. FREEDMAN presented two papers at the IV International Biophysics Congress in Moscow, USSR, Aug. 7 to 14, one Aug. 8, on "Amino-Terminal Light Chain Sequence Analyses of Electrofocussed Rabbit Antinuclear Antibody Fractions"; and the other August 13, on "Carbon-13 Fourier Transform Nuclear Magnetic Resonance Studies of Ribonucleic Acid".

Hygiene

DR. JOHN R. BROWN attended the Brouha Symposium on Work Physiology in Ann Arbor, and on Sept. 15 presented a paper

entitled, "Industrial Back Injuries: A Retrospective Review".

DR. H. MOGHADAM presented a lecture to the staff of the Dallas Children's Medical Centre, Texas, on "The Identification of Hearing Loss in Early Infancy". In addition, Dr. Moghadam presented a lecture to the American Academy of Ophthalmology and Otolaryngology, Dallas, September Associated with Implementation of Risk Registries", in Dallas on Sept. 26.

Management Studies

PROF. J. V. POAST attended the Niagara Institute for International Studies held in Niagara-on-the-Lake on May 27, and was present at the Learned Society of Canadian Economic Association, Association of Canadian Studies of Business, in Montreal, June 2-5. Prof. Poast also attended the meeting of the Minister's Advisory Group on Industrial Strategy, Department of Industry, Trade, and Commerce, in Ottawa, on Aug. 1.

PROF. M. R. HICHT addressed a meeting of the National Council on Business and Professional Education on "Management Education", Sept. 8. He recently became a member of the founding committee for a National Conference on Learning Processes on July 6 at its first meeting in Toronto.

PROF. R. J. HOUSE presented a paper titled "Leadership, Employee Motivation, Organizational Effectiveness and Individual Satisfaction", at the College of Insurance, New York, on Sept. 20.

PROF. H. MOHRING delivered talks on "Transport Subsidies and the Economic Development of the Atlantic Provinces", and "The Role of Polluter Taxes in Externalities Problems" at Dalhousie University on Oct. 13 and 16.

PROF. J. A. SAWYER participated in the annual conference of Project LINK (an international working group who forecast world trade by linking econometric models of each national economy) in Vienna, Aug. 28 to Sept. 5.

PROF. D. J. TIGERT gave a speech to American Gas Association entitled, "Life Style Research" on Sept. 20 in Toronto.

Computer Science

Several members of the department gave invited talks at the Canadian Computer Conference sponsored by the Canadian Information Processing Society, which was held in Montreal June 1-3. The speakers were: JOHN K. MEYER on "Predicting Performance Changes in Systems"; PROF. R. C. HOLT on "The Structure of the Nucleus of an Operating System for System/360"; PROF. K. C. SEVICK on "Measurement and Authorization in the SUE System"; PROF. J. ARWON and MARK GAUSCOW on "Hierarchical Input/Output Supervisor for the IBM System/360"; and PROF. J. J. HONNING and BRIAN CLARKE on "Experimenting with a new system programming language for the IBM 360".

PROF. RICHARD C. HOLT presented six lectures at the Summer Institute on Computers and Operating Systems held at the University of Maryland June 19-22. The topics of his talks were: "The Architecture of a Small, Reliable, Extensible Operating System for System/360"; "Design Methodologies and Project Management for the Development of an Operating System"; "Using a Kernel to Map Unruly Hardware into a Pleasant Family of Processes"; "Using Processes to Handle Input/Output Asynchronism"; "Mechanisms for Authorizing and Measuring the Use of System Resources"; and "Using a High Level, Highly Structured Language for System Implementation".

PROF. R. PATERSON was appointed chairman of the Grant Selection Committee for Computing and Information Science by the National Research Council for the period Jan. 1, 1973, until Dec. 31, 1974. Prof. Gotlieb also presented the opening paper "Computer Education in Developing Countries: A Time for Questions - A Need for Plans" at the Rio Symposium on Computer Education for Developing Countries, held in Rio de Janeiro, Brazil, Aug. 6-12. The symposium was organized by the Brazilian Academy of Sciences and the Intergovernmental Bureau of Information Science, UNESCO. The Centre, sponsored by international organizations including the International Federation for Information Processing, OECD, United Nations, etc.

Interdisciplinary Studies

At the end of April Prof. DAVID N. WEINSTEIN gave a talk on the nature of Interdisciplinary Studies in Legal Education at the University of Iowa Law School. During May he taught a seminar on the nature and purpose of legal systems which sought to integrate materials in the various social sciences with research from philosophy and literary works at CIDOC (Iran Illich's Institute), Cuernavaca, Mexico. During July

he was a participant at the Stanley House Conference (Canadian Commission for UNESCO) in a series of discussions that were concerned with a wedding of various sciences in order to arrive at new starting points for analysis of legal issues. In collaboration with PROF. JOHNS HOGARTH of Osgoode Hall Law Faculty, Prof. Weinstein completed a proposal for Simon Fraser University on how to arrange an Interdisciplinary Studies Department in Criminology. During August he was chairman of an International Conference on Law, Growth and Technology at CIDOC in Cuernavaca, Mexico. The proceedings are being published by the Institute.

Pontifical Institute

At the 5th International Congress of Mediaeval Philosophy, held in Madrid, Cordoba, and Granada, Spain, Sept. 5-12, on the theme "The Encounter of Different Civilizations in Mediaeval Philosophy", PROF. ARMAND A. MACIERE read a paper on "The Sacred Tetragrammaton in Mediaeval Thought", PROF. JOHN F. QUINN read a paper on "St. Bonaventure and Ambrose on the Two Aristotelian Problems", and PROF. WALTER H. PRINCE read a paper on "Early Explicit Use of Averroes by Richard Fishacre with Respect to Motion and the Human Science of Christ".

Connaught Medical Research Laboratories

DR. M. J. WALCROFT spoke on the subject "Man's Debt to the Animal Kingdom",

March 9, at a meeting of the University Women's Club of Toronto. On March 10, at a Symposium on Laboratory Animal Diseases, held at the St. Lawrence College of Applied Arts and Technology, Dr. Walcroft presented a paper entitled "Diseases of Non-human Primates".

At the 23rd Annual Meeting of the Tissue Culture Association, Inc., held in Los Angeles, June 5-8, G. HEALY presented a paper on "The Effect of Corticosteroids and DR. H. MACMORISSE, entitled "Pancreatin (Trypsin 1:3000): Correlation of Certain Proteolytic Activities of the Complex with the Ability to Disperse Cells", and W. PARISIUS presented a paper, co-authors N. COKACOVICH and DR. H. MACMORISSE, entitled "A Multi-Surface Cell Propagator".

At the 15th Annual Meeting of the Canadian Federation of Biological Societies held at Laval University, Quebec, June 13-16, DR. S. WILSON presented a paper, co-author, Mrs. L. M. LOGAN, entitled "Immunosuppressive House Anthelmintic Lymphocyte Globulin Free from Nephrotoxic and Thrombotic Activities", and Mrs. L. M. LOGAN presented a paper, co-author, DR. S. WILSON, entitled "Antibodies to Human mononuclear and Nephrotic Antibodies from Horse Antiserum to Human Thymus".

DR. S. LANA attended the 72nd Annual Meeting of the Canadian Tuberculosis and Respiratory Disease Association held in Halifax, June 26-29, and presented a paper, co-author DR. H. R. HELD, entitled "The Present Status of Tuberculosis in Canada".

Aspects of the French Nobility is subject of Nov 25 conference

A conference on "Aspects of the French Nobility: 18th-19th centuries" sponsored by the Department of History, will be held in the Upper Library, Massey College, on Saturday, Nov. 25. Program is as follows:

Morning Session

Chairman: W. J. Eccles, U of T
10 a.m.: "Aspects de la noblesse française au XVIII^e siècle", Jean Meyer, Université de Haute-Bretagne, Rennes
11 a.m.: Commentary: Julian Dent, U of T, followed by questions and discussions.

Afternoon Session

Chairman: W. J. Callahan, U of T
2 p.m.: "The social theory of nobility, 1789-1830", David Higgs, U of T
2:45 p.m.: "Family studies of the French nobility, problems and promise".

Robert Forster, Johns Hopkins University

3:50 p.m. Commentary: Pamela Pilbeam, Bedford College, University of London, followed by questions and discussions.

Anyone planning to attend should notify Prof. D. Higgs, History Department, U of T.

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Monday, November 13

The final Ph.D. oral examination of R. K. WONG, Department of Medical Biophysics which was to take place at 10 a.m., November 6, has been re-scheduled as follows: Monday, November 13, Room 108, 16 Hart House Circle, 2 p.m.

Part-time students & referendum

The following letter has been received from Susan Geason, Administrative Assistant, Association of Part-time Undergraduate Students:

I was rather surprised to see the Bulletin (Oct. 13), quoting uncorroborated statements from SAC Commissioners. The particular statements I am referring to concern the part-time student vote in the referendum. It is not true that (a) advance publicity had not made it clear that they (part-time students) were entitled to vote; and (b) no provision had been made for balloting by students in evening classes.

The referendum was publicized in Voice, our newsletter, two weeks running. We simply did not have the time nor the money to contact every one of our students by mail, especially as the organization of the referendum excluded the majority of them by its timing.

On October 11, 25 part-time students to man ballot boxes in the buildings of four major buildings on the St. George Campus, from 8.30 to 10 p.m. Students were also employed to blitz all the classrooms in these buildings prior to lectures on this night. Ballots were taken into the classes, and the students were informed of the voting procedures.

As the voting was held on one night and one campus only, our possible vote could not have exceeded some 1800. As it turned out, 401 part-time students did vote, and overwhelmingly supported the QRS demand. This is a turnout of over 20 per cent, of which we have reason to be proud.

Our position on fees is totally untenable. If we withhold fees, we are simply not members of this university. There

are no provisions for split fee payments for part-time students, just as there are no loans and no tax break. We were and are aware that our vote can only be in support of a principle - we are not in a position to act. It has not been suitably demonstrated to us that being excluded from this university for a year for non-payment of fees will benefit us or the full-time students, but let it not be thought that we simply ignored the referendum and its implications.

Nutrition symposium on Saturday morning

A symposium, "Expanding Horizons in Nutrition", sponsored by the Household Science Alumnae Association, is being held tomorrow (Saturday).

Faculty members and students are invited to attend the morning session, beginning at 9.45 a.m., in the Royal Ontario Museum Theatre. Dr. Richard Goldbloom, chairman of paediatrics at Dalhousie University and physician-in-chief of the Isaac Walton Killam Hospital for Children, Halifax, will speak on recent advances and future prospects in paediatric nutrition, and Dr. A. B. Morrison, Assistant Deputy Minister, Department of Natural Health and Welfare, is to speak on "How safe and nutritious is the Canadian food supply".

Alumnae will hold a reception and luncheon at Hart House, where J. H. Hulise, Program Director, Food and Nutrition Sciences, International Research Centre, Ottawa, is to give an address on home sciences in international development.